SOMMER USS10251-00016

SOMMER Direct Drive Garage Door Opener Instruction Manual

Model: USS10251-00016

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SOMMER Direct Drive Garage Door Opener. Designed for durability and quiet performance, this opener features a unique direct drive system with minimal moving parts, ensuring a long lifespan and smooth operation. It is ideal for homes where quiet performance is paramount.

Setup and Installation

Follow these steps carefully to ensure proper installation and safe operation of your garage door opener.

1. Unboxing and Contents

The SOMMER evo+ garage door opener comes conveniently packaged in one box, simplifying shipping and handling. Upon opening, you will find all necessary components for installation.



Image: Main components of the SOMMER Direct Drive Garage Door Opener, including the rail system, motor unit, and remote controls.



Image: Close-up of the SOMloq2 remote control, highlighting its secure radio technology.

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Video: Demonstrates the unboxing process of the SOMMER garage door opener, showing how all components are contained within a single package.

2. Required Tools

Ensure you have the appropriate tools for installation. Refer to the instruction manual for specific socket and bit sizes.

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Video: Overview of the tools required for the installation of the garage door opener.

3. Rail Assembly

The SOMMER evo+ comes pre-assembled. You only need to slide the rail sections together to form the complete track.



Image: Detailed view of the direct drive chain mechanism integrated within the rail system.

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Video: Step-by-step guide on assembling the rail sections of the garage door opener.

4. Motor Carriage and Chain Assembly

Slide the ceiling control unit into the rail. Rotate the chain 90 degrees and insert it into the chain holder of the ceiling control unit. Assemble the chain tensioner and slide it into the rail. Fasten the screw and tension the chain until the washer aligns with the arrow.

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Video: Instructions for assembling the motor carriage and tensioning the chain within the rail.

5. Ceiling Bracket Assembly

Take the ceiling bracket apart. Insert the carriage bolts and slide the ceiling bracket onto the rail. Insert the black plastic ceiling bracket inserts from the outside and secure with the nuts.

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Video: Guide on assembling and attaching the ceiling bracket to the rail.

6. Mounting the Opener

Attach the header bracket to the wall. Close the door and slide the track into the header bracket, securing it with a pin.

Attach locking c-clips to secure. Feed the motor carriage to the back. Open the door all the way and rest the c-rail on the top section. Use a protector to prevent scratching the door panels. Fasten the c-rail to the ceiling, ensuring the distance between the ceiling control unit and the ceiling bracket is 4" - 28".

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Video: Comprehensive steps for mounting the garage door opener to the ceiling and header.

7. Attaching Door Arm

Mount the door bracket in the center of the top section of the door. Attach the emergency release handle to the emergency release cord. Tie a knot and shorten the cord to an appropriate height, tying another knot over the first if necessary. Attach the door arm to the motor carriage and secure with the pin and the c-clip. Then, attach the door arm to the door bracket, securing with the pin and the locking c-clip.

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Video: Instructions for attaching the emergency release handle and the door arm to the garage door and motor carriage.

8. Limit Switch Adjustment

Open the garage door completely by hand. Fasten the back limit switch at the fully open position.

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Video: Demonstrates how to fasten the back limit switch for the garage door opener.

9. Safety Sensor Installation

Install the safety sensors. The distance from the floor must be such that an obstacle of 6" can be reliably detected. Use the wiring clips on top of the c-rail for conveniently running the wires.

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Video: Guide on installing the safety sensors and routing their wires.

10. Wall Station Installation

Install the wall station by unscrewing the screws and wrapping the wire ends around the screws before tightening them. It does not matter which wire is wrapped around which screw.

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Video: Instructions for wiring and installing the wall station for the garage door opener.

11. Wiring Connections (Internal)

Unscrew the ceiling control unit cover. Insert the wires for the wall station into the orange terminals. The wires are not polarity sensitive. Twist the wires together for easier installation, one wire from each photo sensor. Insert the wires for the photo sensors into the gray and black terminals. The wires are not polarity sensitive. Screw back the cover for the ceiling control unit.

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Video: Detailed steps for connecting the wall station and photo sensor wires inside the ceiling control unit.

12. Power Connection

Plug in the ceiling control unit to a power outlet. A green LED will start flashing on the motor carriage, indicating that the opener is ready for the learning cycles.

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Video: Shows how to connect the ceiling control unit to a power outlet and observe the LED indicator.

Operating

Learning Cycles (Programming)

To program the opener, leave the door in a partial open position before starting the learning cycles. Press button #1 on the pre-programmed remote control for initiating the learning cycles. The motor carriage moves slowly to the door OPEN end position and automatically switches off at the limit stop. The first movement of the learning cycles must be in the OPEN direction. When the door is in the CLOSE end position, press button #1 to save the end position, and the opener automatically starts its programming process. The programming process automatically moves the door one or more full cycles to the door OPEN end position and back to the door CLOSE end position. The final movement of the learning cycles is automatically to the door OPEN end position. The LED on the opener remains steady, confirming that the opener is programmed and ready to use.

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Video: Detailed demonstration of the learning cycles for programming the garage door opener's open and close limits.

Maintenance

Due to its direct drive technology with only one moving part, the SOMMER garage door opener requires minimal maintenance. Regularly inspect the rail and chain for any obstructions or signs of wear. Keep the safety sensors clean and free from debris to ensure proper function. Periodically check all mounting hardware for tightness.

Troubleshooting

If your garage door opener is not functioning as expected, consider the following common issues:

- **Opener not responding:** Check power supply and ensure the unit is plugged in. Verify remote control battery.
- **Door not closing/opening fully:** Re-run the learning cycles to reset the travel limits.
- **Safety sensors not working:** Ensure sensors are clean, aligned, and free from obstructions. Check wiring connections.
- **Unusual noises:** Inspect the rail and chain for any foreign objects or excessive wear.

For more complex issues, please refer to the full instruction manual or contact customer support.

Specifications

Feature	Detail
Manufacturer	SOMMER
Part Number	USS10251-00016
Item Weight	33.8 pounds
Package Dimensions	45 x 8.75 x 6.6 inches
Motor Power	800 Newton (1.0 HP) DC motor

Door Height Compatibility	Up to 8 ft. tall Doors (includes rail for 7 ft. or 8 ft. door height)
Material	UL Plastics, Galvanized Steel
Included Components	One 4 button remote transmitter, Safety sensors, Wall Station, Garage Door Opener, 8 ft. rail kit
Security	Secure Rolling Code Technology / Home Link compatible, advanced object and force detection system, automatic locking and counter pressure in case of an attempted break-in
Durability	Cycle tested up to 125,000 cycles

Warranty and Support

Your SOMMER Direct Drive Garage Door Opener comes with a 2-year warranty on accessories and a Lifetime Warranty on the motor. For technical support or warranty claims, please refer to the contact information provided in your product packaging or visit the official SOMMER website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question